

KOLDOBSKIY, A.G.; MEDVEDEV, S.I.; PISKOPPEL', F.G.; YAKOBSON, M.G. Prinimali uchastiye: BERKHIN, I.B.; OSLIKOVSKAYA, Ye.S.; PEREKISLOVA, A.M.; LITVIN, V.M.; PARKHOMENKO, Ye.V.; STOTIK, A.M.; SHAPIRO, T.I.; STRUMILIN, S.G., akad., glav. red.; ALEKSENKO, G.V., red.; ANISIMOV, N.I., red.; VOLODARSKIY, L.M., red.; GERSHBERG, S.R., redaktor; red.; PETROV, A.I., red.; POSVYANSKIY, S.S., red.; BAZAROVA, G.V., kand. ekonom. nauk, starshiy nauchnyy red.; KISEL'MAN, S.M., starshiy nauchnyy red.; LIVANSKAYA, F.V., kand. ekonom. nauk, starshiy nauchnyy red.; GLAGOLEV, V.S., nauchnyy red.; NEDBAYEV, V.I., nauchnyy red.; TUMANOVA, N.L., nauchnyy red.; TOVMASYAN, M.E., red.; BLAGODARSKAYA, Ye.V., mladshiy red.; SHUSTROVA, V.M., mladshiy red.; ZENTSEL'SKAYA, Ch.A., tekhn. red.

[The economic life of the U.S.S.R.; chronicle of events and facts, 1917-1959] Ekonomicheskaya zhizn' SSSR; khronika sobytii i faktov 1917-1959. Glav. red. S.G.Strumilin. Chleny red. kollegii: AlekSENKO i dr. Moskva, Gos. nauchn.izd-vo "Sovetskaya entsiklopediya," 1961. 779 p. (MIRA 14:10)

1. Tsentral'naya nauchnaya sel'skokhozyaystvennaya biblioteka Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. Lenina (for Litvin, Parkhomenko, STOTIK, Shapiro).  
(Russia--Economic conditions)

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hydroxylamine. Zhur.ob.khim. 32 no.5:1613-1619 My '62.

(MIRA 15:5)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo  
otdeleniya AN SSSR.

(Naphthalene) (Hydroxylamine)

VOLODARSKIY, Lev Markovich, doktor ekon. nauk; GLYAZER, L.S., red.;  
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[Statistics and planning of the national economy] Statistika  
i planirovanie narodnogo khoziaistva. Moskva, Ekonomika,  
1964. 47 p. (Obsuzhdaem problemy sovershenstvovaniia plani-  
rovaniia, no.7) (MIRA 17:11)

VOLODARSKIY, L.M., red.; BUTOV, A.S., red.; MOSKOVKINA, A.S., red.; SHCHADILOV, N.M., red.; MAKAROVA, O.K., red.; FROLOVA, M.P., red.

[Industry of the U.S.S.R.; statistical abstract] Pro-myshlemost' SSSR; statisticheskii sbornik. Moskva, Izd-vo "Statistika," 1964. 494 p. (MIRA 17:6)

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(Communist countries--Economic conditions)

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(Russia--Industries--Dictionaries)  
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(HEALTH EDUCATION)

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the Institute of the Peoples of Asia

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(1901-1951)."

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1. VOLODARSKIY, N.
2. USSR (600)
4. Lysenko, Trofim Denisovich, 1898-
7. "Phasic development of plants; work on the theory of the phasic development and vernalization of agricultural plants." T. D. Lysenko. Reviewed by N. Volodarskiy. Sov. agron. 11 no. 1 1953.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

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9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

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CA

The effect of nitrogen nutrition on the quality of the yield of tobacco. N. I. Volatyrskii. Doklady Vsesoyuz. Akad. Nauk im. V. I. Lenina 13, No. 4, 17-22; Doklady Akad. Nauk S.S.S.R. 60, 845-7 (1949). Four levels of  $(NH_4)_2SO_4$  were used in pot expts. and the total yield as well as quality were detd. As the percentage of N is increased, the yield of the upper leaves increases. The increase in the area of the leaves, and not the total no. of leaves, represents the quality increase with the higher aints. of N. At the lowest level of N, a decrease in the carbohydrate-protein ratio takes place. The thickness of the leaves increases with an increase in N level.

J. S. Joffe

VOLODARSKIY, N. I.

21878 VOLODARSKIY, N. I. O neravnomernosti rosta steblya v ontogeneze tabaka. Trudy Krasnodarsk. in-ta pishch. prom-sti, vyp. 7, 1949, s. 77-82. - Bibliogr: 10 nazv.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

C.A.

Changes of dry matter content in tobacco leaves during  
-vegetation. N. F. Anisichenko and N. I. Volodarskii  
(Kuban Agr. Inst., Krasnodar). *Doklady Akad. Nauk*  
S.S.S.R. 73, 549-552(1950).—The dry matter content,  
per unit leaf area, rises constantly and reaches a max. when  
the leaf reaches its final size or shortly after the completion  
of growth; for some 15 days this level remains high, but  
dynamic, and begins to decline noticeably as the leaf  
yellows in the fall. In bud formation period the leaf dry  
matter suffers a drop continuing through the beginning of  
flowering. At this transition period the total plant growth  
is also severely retarded. Leaves of lower section of the  
plant show a smoother growth of dry matter content than  
displayed by upper leaf tiers, but the max. dry matter in  
the lower leaves does not reach the values found in upper  
tiers. Weather conditions affect all tiers in similar manner  
irrespective of age of the particular tier, indicating the  
influence of the plant organism as a whole. In initial  
vegetation dry matter declines from the lower leaves up-  
ward, while in the bud formation period max. dry matter  
level is found in the middle tier leaves. In further growth  
the dry matter content rises from lower to upper leaves.  
G. M. Kozlapoff

The top chlorosis of tobacco caused by nitrogen deficiency. Dzhady N. I. Vostokarskiy (Kuban Agr. Inst., Krasnodar). Doklady N. I. Vostokarskiy S. S. S. R. NO. 861 (1951). — Tobacco plants raised under various conditions were deficient in N supply grown in sand-soil cultures that are deficient in N supply (absence or deficiency of chernozem soil that was added to controls) develop chlorosis, grow slowly and the leaves are colored yellow if the deficiency is continuous. If, however, the chlorosis of the tip of the plant is observed. If, however, the chlorosis was grown in sand to which varying amounts of chernozem were grown in sand to which a period of apparently seem were added, the plants after a period of apparently normal growth develop chlorosis of the upper part of the plant. This event occurs later in specimens that were grown in cultures with a high percentage of chernozem. The results are interpreted as indication of adaptation of the tobacco plants to extremely low N supply. In which the young leaves draw on the lower parts of the plant for N supply. The cultures containing chernozem grow rapidly and do not have the opportunity to adapt to the impoverishment with N which shows up as the N supply in the soil is depleted.

(S. M. Kosolapoff)

VOLODARSKIY, N. I.

VOLODARSKIY, N. I. -- "Role of Nitrogen in the Ontogenesis of Tobacco."  
Sub 26 Apr 52, Inst of Plant Physiology Lenin K. A. Timiryazev. Acad Sci  
USSR. (Dissertation for the degree of Doctor in Biological Sciences).

So: Vechernaya Moskva January-December 1952

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20 Ag822

So: SIRA SI - 90-53, 15 Dec., 1953

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2. USSR (600)
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7. "Phasic development of plants; work on the theory of the phasic development and vernalization of agricultural plants." T. D. Lysenko. Reviewed by N. Volodarskiy. Sov.agron. 11 No. 1, 1953.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

VOLODARSKIY, N.I.

Effect of nitrogen nutrition on processes of growth and form  
development in tobacco. Trudy Inst.fiziol.rast. 8 no.2:134-174  
'54. (MLRA 8:5)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva Akademii nauk  
SSSR.

(Tobacco) (Plants, Effect of nitrogen on)

VOLODARSKIY, N.I. (Krasnodar)

Theory of phasic development and the age of plants. Usp. sov. biol. 37 no.3:341-357 My-Je '54. (MLRA 7:9)  
(BOTANY--PHYSIOLOGY) (GROWTH (PLANTS))

VOLODARSKIY, N.I.; BYKOVSKAYA, I.P.

Effect of varying soil moisture on tobacco crop in connection with  
the developmental period. Dokl. AN SSSR 95 no.1:187-190 Mr '54.  
(MIRA 7:3)

1. Kubanskiy sel'skokhozyaystvennyy institut Krasnodar.  
(Tobacco) (Soil moisture)

VOLODARSKIY, N. I.

Effect of nitrogen nutrition on the time of flower bud development in tobacco. *Fiziol.rast.* 2 no.1:75-80 Ja-F '55.  
(MLRA 8:9)

1. Krasnodarskiy sel'skokhozyaystvennyy institut  
(Plants, Effect of nitrogen on) (Tobacco)

VOLODARSKIY, N. I.  
USSR/ Agriculture - Plant physiology

Card 1/1      Pub. 22 - 50/60

Authors      : Volodarskiy, N. I.

Title        : Effect of leaves of various stages on the budding period of tobacco

Periodical   : Dok. AN SSSR 100/4, 797-800, Feb 1, 1955

Abstract     : Investigations were conducted to determine the photo-periodical activity of tobacco leaves in connection with the stages of their development. A close relation was established between the growth processes of tobacco leaves, the physiological development of metamerie organs of the leaves and the conclusion of the light stage of the plant growth. Eight USSR references (1948-1952). Tables; graphs.

Institution : The Kuban Agricultural Institute, Krasnodar

Presented by: Academician A. L. Kursanov, November 30, 1954

VOLODARSKIY, Semen Mikhaylovich; MAN'KO, P.A., otvetstvennyy redaktor;  
SHAUBAK, Ye.N., redaktor; KAMOLOVA, V.M., tekhnicheskii redaktor

[Repair of marine boilers] Remont sudovykh parovykh kotlov.  
Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1956.  
105 p. (MIRA 9:11)  
(Boilers, Marine)

Country : USSR  
CATEGORY :

M-7

ABS. JCUP. : RZBiol., No. 19 1959, No. 87183

AUTHOR : Volodarskii, M.L.; Dykovaia, I.P. \*  
INST. : Academy of Sciences USSR  
TITLE : Dynamics of Growth Processes and Crop Development of Tobacco Under Different Conditions of Water Supplying to the Plants.

ORIG. PUB. : Sb: Biol. osnovy oroshayem. zemled. Moscow, AN USSR, 1957, 290-299

ABSTRACT : Experimental growing and field trials carried out in 1952-1954 at the Kuban Agricultural Institute have shown that during the first phase of growing (seedlings period and period of vernalization) the plants can withstand more or less prolonged drought without impairment of synthetic activities and ultimate yield. Moderate amount of moisture, during this period, elicits in the young plants adaptative reactions which bring about considerable enhancement of synthetic activity after their change-over to copious supply of water. The second phase of growth (the light-stage coinciding with the period of intensive growth) requires an ample supply of water. During this period inadequate humidification results in sharp lowering

CARD: 1/4 Sautich, Z.M.

*Volodarskiy, N. I.*  
AUTHOR: Volodarskiy, N. I.

20-3-41/52

TITLE: Florescence in Chrysanthemum Under Continuous Illumination  
(Zatsvetaniye khrizantemy pri nepreryvnom osveshchenii).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 3, pp. 504-506 (USSR)

ABSTRACT: The large-blossom Chrysanthemum is regarded as the classical model of an ephemeral plant, which does not blossom under continuous illumination. Observations on plants grown in continuous daylight showed that in the development of the entire plant-organism the correlative relations between the different organs are decisive. (The daylight was prolonged based upon the calculation of: a 200 Watt bulb to 1 squ.m). The author says that at the experiments carried out the "light stadium" of the Chrysanthemums took a satisfactory course without any "darkness reactions", which are considered to be inevitable for the photo-periodical reaction with the ephemeral plants. The results show, that the main shoot and the side shoots have different claims as regards photo-periodical conditions: in comparison to the main shoot the side shoots proved to be decidedly more ephemeral. At continuous illumination of the plant no florescence of the

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Florescence in Chrysanthemum Under Continuous Illumination 20-3-41/52

top shoots could be effected. (Tab. 1) Even in the cases when the top of the main shoot was removed early (at the first signs of buds at a normal light change) and only one of the three top shoots of the plant was left, the latter showed no sign of a bud. Exact investigation of the properties of the morphogenesis as well as of the correlative regularities of the ontogenesis with the Chrysanthemum could contribute quite a lot to the investigation of the plant-characteristics. There are 2 figures, 1 table.

ASSOCIATION: Kubansk' Institute of Agriculture, Krasnodar (Kubanskiy sel'skokhozyaystvennyy institut g. Krasnodar)

PRESENTED: June 28, 1957, by A. L. Kursanov, Academician

SUBMITTED: May 30, 1957

AVAILABLE: Library of Congress

Card 2/2

VOLODARSKIY, N.I.

YERYGIN, P.S.; VOLODARSKIY, N.I.

Ivan Sergeevich Kosenko's 60th birthday. Bot.zhur. 42 no.6:960-961  
Je '57. (MIRA 10:7)

1. Kubanskiy sel'skokhozyaystvennyy institut.  
(Kosenko, Ivan Sergeevich, 1896- )

VOLODARSKIY, Nikolay Il'ich; RATHNER, Ye.I., doktor biol.nauk, prof.,  
otvetstvennyy red.; SAMYGIN, G.A., red.izd-va; MAKUNI, Ye.V.,  
tekhn.red.

[Role of nitrogen in the ontogenesis of tobacco] Rol' azota v  
ontogeneze tabaka. Moskva, Izd-vo Akad.nauk SSSR, 1958. 187 p.  
(Plants, Effect of nitrogen on) (MIRA 11:6)  
(Tobacco)

BUCHINSKIY, A.F.; VOLODARSKIY, N.I.; ASHATEV, P.G.

[Tobacco growing] Tabakovodstvo. Izd.2., perer. i dop.  
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 395 p.  
(Tobacco)

(MIRA 13:5)

VOLODARSKIY, N.I., doktor biologicheskikh nauk, prof.

Regular features of morphogenesis and stage development of annual plants. Agrobiologiya no.5:677-687 8-0 '60. (MIRA 13:10)

1. Kubanskiy sel'skokhozyaystvennyy institut, Krasnodar.  
(Botany--Morphology)  
(Botany--Physiology)

VOLODARSKIY, N.I., prof., doktor biolog.nmk (g.Krasnodar)

"Crop cultivation practices" by N. Zamfirescy, V. Velican, Gh. Valuta.  
Reviewed by Volodarskii. Agrobiologia no.6:945-946 H-D '60.  
(MIRA 13:12)

(Field crops)  
(Zamfirescy, N.) (Velican, V.) (Valuta, Gh.)

VOLODARSKIY, N.I.; ZINEVICH, L.V.

Drought resistance of corn in ontogeny. Fiziol. rast. 7 no.2:216-  
219 '60. (MIRA 14:5)

1. Kuban Agricultural Institute, Krasnodar.  
(Corn (Maize)—Water requirements))

VOLODARSKIY, N.I.; POTSELYEVA, V.G.

Effect of gibberellin and the length of the day on the  
development of teasel. Dokl. AN SSSR 154 no.2:476-479  
Ja'64. (MIRA 17:2)

1. Kubanskiy sel'skokhozyaystvennyy institut, Krasnodar.  
Predstavleno akademikom A.L. Kursanovym.

VOLODARSKIY, N.I., GAZENKO, A.I.

Phasic heterogeneity of tissues in the sunflower (*Helianthus annuus* L.). Bot. zhur. 45 no.5:742-745 My '60.  
(MIRA 13:7)

1. Kubanskiy sel'skokhozyaystvennyy institut, g. Krasnodar.  
(Sunflowers) (Plant cells and tissues) (Growth (Plants))

VOLODARSKIY, N.I.

Flowering of short-day plants under conditions of continuous illumination. Dokl.AN SSSR 138 no.2:473-476 My '61. (MIRA 14:5)

1. Kubanskiy sel'skokhozyaystvennyy institut, g. Krasnodar. Predstavleno akademikom A.L.Kursanovym.  
(Plants, Flowering of) (Photoperiodism)

VOLODARSKIY, N.I.

Effect of nitrogen on the ontogenesis of annual plants. Izv.  
AN SSSR, Ser.biol. no.2:207-219 Mr-Ap'62. (MIRA 16:7)

1. The Kuban Agricultural Institute.  
(PLANTS, EFFECT OF NITROGEN ON)

VOLODARSKIY, N.I., prof.

Tillage problems in Sweden. Zemledelie 26 no. 4-90-96 4p '64.  
(MIRA 17:5)

VOLODARSKIY, R.D., mayor, voyenny letchik pervogo klassa

Change the method of teaching instrument flying. Vest.Vozd.Fl.  
no.8:90 Ag '61. (MIRA 14:8)  
(Instrument flying—Study and teaching)

VAZHIN, F., polkovnik; VOLODARSKIY, R., mayor, voyenny letchik pervogo klassa

Substantiate your decision. Av.1 kosm. 46 no.9:31-34 S '63.  
(MIRA 16:10)

VOLODARSKIY, R.F.

Activity of the geology section of the Krasnoyarsk regional conference  
on the development of mineral resources in Eastern Siberia: Nach.  
dokl.vys.shkoly; geol.-nauki no.4:215-217 '58.(MIRA 12:6)  
(Krasnoyarsk Territory—Mines and mineral resources)

VOIODARSKIY, R.F.

Some problems in interpreting the results of gravity surveys in  
regions of western Bashkiria and eastern Tatarstan. Vost.Mosk.  
un.Ser.biol., pochv., geol., geog. 14 no.1:177-181 '59.  
(MIRA 12:9)

1. Moskovskiy gosudarstvennyy universitet, Kafedra geofiziki.  
(Bashkiria--Gravity) (Tatar A.S.S.R.--Gravity)  
(Geology, Structural)

VOLODARSKY, R.F.

Gravity anomalies caused by horizontal variation of rock densities  
in sedimentary deposits of the eastern regions of the Russian  
Platform. Vest.Mosk.un.Ser.biol., pochv., geol., geog. 14 no.4:  
83-84 '59. (MIRA 13:6)

1. Kafedra geofiziki Moskovskogo universiteta.  
(Tuymazy region--Gravity)

VOLODARSKIY, R.F.

Interpreting gravity anomalies in the eastern regions of the Russian Platform in the light of present-day geological and geophysical data. Nauch.dokl.vys.shkoly; geol.-geog.nauki no.2:216-222 '59. (MIRA 12:8)

1. Rostovskiy-na-Donu universitet, geograficheskiy fakul'tet.  
(Russian Platform--Gravity)

VOLODARSKIY, R.F.

Geological significance of zones with high gravity gradients in various regions of the Russian Platform. Vest.Mosk.un.Ser.4: Geol. 15 no.1:11-14 '60. (MIRA 14:4)

1. Kafedra geofiziki Moskovskogo universiteta.  
(Russian Platform--Gravity)

S/035/62/000/005/093/098  
A055/A101

AUTHOR: Volodarskiy, R. F.

TITLE: Structure of the Earth's crust in the central regions of the West-Siberian lowland, according to gravimetric data

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 5, 1962, 39, abstract 50215 ("Vestn. Mosk. un-ta Geologiya", 1960, no. 5, 13 - 21)

TEXT: Under the assumption that the density of the Earth's crust is constant, the Mohorovicic discontinuity depths for the central regions of the Irtysh syncline were calculated, on the electronic computer "Strela", from the Bouguer anomalies and by the method of Tsuboi (Tsuboi, V., "Bull. Geol. Soc. of Am.", 1956, 67, 41), the essential features of which are described in the article. The thickness of the Earth's crust near the village of Korkino was assumed to be equal to 30 km, in accordance with the data supplied by the explosion of 1,800 tons of ammonal in 1936. The difference between the densities of the crustal and subcrustal substances was taken equal to  $0.3 \text{ g}\cdot\text{cm}^{-3}$ . According to the re-

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Card 1/2

Structure of the...

S/035/62/000/005/093/098  
A055/A101.

sults cited by the author, the thickness of the crust varies from 40 to 25 km. The distribution of the Mohorovicic discontinuity depths is described. The author points out that the results are questionable. ✓

P. Vuytsman

[Abstracter's note: Complete translation]

Card 2/2

VOLODARSKIY, R.F.

Regional gravimetric studies in eastern areas of the Russian  
Platform. Vest. Mosk. un. Ser. 4: Geol. 15 no.6:59-63 N-D '60.  
(MIRA 14:1)

1. Kafedra geofiziki Moskovskogo universiteta.  
(Russian Platform--Gravity prospecting)

VOLODARSKIY, R.F.

Crustal structure in the central regions of the West Siberian  
Plain, based on gravimetric data. Vest. mosk. un. Ser. 4: Geol.  
15 no. 5:13-21 3-0 '60. (MIRA 13:12)

1. Kafedra geofiziki Moskovskogo universiteta.  
(West Siberian Plain--Earth--Surface)

ARONOV, V.I.; VOLODARSKIY, R.F.

Expediency of computing second derivatives of gravity anomalies.  
Geofiz.razved. no.4:37-44 '61. (MIRA 14:7)  
(Gravity prospecting)

VOLODARSKIY, R.F.

Geological interpretation of regional gravity anomalies in the  
Amur-Zeya Depression. Geol. i geofiz. no.9:81-88 '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet,  
(Amur Valley--Geology, Structural) (Zeya Valley--Geology, Structural)  
(Gravity prospecting)

VOLODARSKIY, R.F.; ARONOV, V.I.; D'YAKONOV, Ye.G.; SHIRIKOV, V.F.;  
FEDYNSKIY, V.V., doktor fiz.-mat. nauk, prof., red.;  
ZARETSKAYA, A.I., ved. red.; BASHIMAKOV, G.M., tekhn. red.

[Use of electronic calculating machines to interpret gravity  
and magnetic fields]Primenenie elektronno-schetnykh mashin dlia  
interpretatsii gravitatsionnykh i magnitnykh poloi. Pod red.  
V.V.Fedynskogo. Moskva, Gostoptekhizdat, 1962. 74 p.  
(MIRA 15:9)

(Electronic calculating machines) (Gravity)  
(Magnetic anomalies)

S/169/62/000/001/001/083  
D228/D302

AUTHOR: Volodarskiy, R. F.

TITLE: Crustal structure of central districts of the West  
Siberian Lowlands according to the data of gravimetry

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1962, 6-7,  
abstract 1A49 (Vestn. Mosk. un-ta, Geologiya, no. 5,  
13-21)

TEXT: The peculiarities of the crustal structure for the central  
areas of the Irtysh syncline are defined more accurately in a  
Bouguer-reduction map of the gravity anomalies. The following pat-  
tern is noted: The approach of the Mohorovicic boundary to the  
daylight surface corresponds to positive anomalies (oceanic  
troughs), while the thickening of the crust corresponds to nega-  
tive anomalies (regions of young folding). The resulting structu-  
ral map of depths to the Mohorovicic surface is an approximate  
scheme, since in its construction the assumption is made that only  
one density boundary exists between the crust and mantle. The me-

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D228/D302

Crustal structure of ...

thod of Tsuboy is stated. It follows from the theory's description that the method may be applied even if the depth of the surface under investigation is only known at one point. A depth of 30 km was taken for the original surface. The density difference was assumed to equal  $0.3 \text{ g/cm}^3$ . Alternating bands of uplifted and subsided areas are noted in the vicinity of the Irtysh syncline. The average value of the crustal thickness varies from 25 to 40 km. It is accepted that somewhat heightened data are obtained during the use of Tsuboy's method, and also as a result of the assumed presence of only one discontinuity surface for the density. On the assumption, however, that the depths are raised by 30%, it has to be stated that there is a large and deep downwarp in the crust testifying to the presence of deep ancient fractures traced to great depths. The magnetic map confirms the presence of positive and negative anomaly bands with a north-westerly direction. The discordance between the relief of the Mohorovicic surface and the relief of the pre-Jurassic crystalline basement is noted. Calculations showed that the gravity anomalies observed within the Irtysh


Card 2/3

Crustal structure of ...

S/169/62/000/001/001/083  
D228/D302

syncline are, on the whole, determined by the relief of the Mohorovicic surface. The analysis of the data shows that for the present there is no clarity for the question of the relation between the abyssal crustal structure, the petrographic heterogeneity of the rocks of the crystalline basement, and the structures in the sedimentary crust. The necessity is noted for the joint execution and interpretation of gravimetric and seismic work.

[Abstractor's note: Complete translation.]



Card 3/3

VOLODARSKIY, R.F.

Structural and tectonic plan of the Amur-Zeya Depression based on  
geophysical data. Sov.geol. 5 no.5:131-135 My '62. (MIRA 15:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.  
(Zeya-Bureya Plain—Geology, Structural)

VOLODARSKIY, R.F.

Possibilities of using high precision gravimetry in prospecting operations in the southern border of the Western Kuban trough. Neftegaz. geol. i geofiz. no.3:45-49 '63.  
(MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet.

VOLODAFSKIY, R.F.; GOLOMB, V.E.

Density characteristics of the rocks of the crystalline basement of western Bashkiria and the eastern Tatar A.S.S.R. and their gravitational effect. Neftgaz.geol.i geofiz. no.9:47-51 '63.  
(MIRA 17:3)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova i Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

VOLODARSKY, R.F.

Comparing large elements of the tectonic pattern of Ciscaucasia  
with the basic characteristics of geographic fields. Neftgaz.  
geol. i geofiz. no.2:26-31 '64. (MIRA 17:4)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.

VOLODARSKIY, R.F.

Geological interpretation of the gravity anomalies of the central and eastern regions of the Russian Platform. Vest.Mosk.un.Ser.4: Geol. 19 no.5:3-9 S-0 '64. (MIRA 17:12)

VOLODARSKIY, R.F.; PIVOVAROV, B.L.

Subsurface crustal structure in the northeastern regions of  
the West Siberian Plain. Geol. i geofiz. no.8:105-107 '64  
(MIRA 13:2)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

VOLODARSKIY, R.F.

Density features of the sedimentary deposits of Ciscaucasia.  
Razved. i prom. geofiz. no.51:59-67 '64.

(MIRA 17:11)

VOLODARSKIY, R.F.; PUSTIL'NIKOV, M.R.

Geological effectiveness of gravimetric methods for studying  
western Ciscaucasia. Sov. geol. 7 no.1:105-112 Ja '64.  
(MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova  
i Trest "Krasnodarneftegeofizika."

L 12985-66 EWT(1)/FCC GW  
ACC NR: AR6000806

SOURCE CODE: UR/0169/65/000/009/G003/G003

SOURCE: Ref. zh. Geofizika, Abs. 9G13

AUTHOR: Volodarskiy, R. F.

TITLE: Investigation of the distribution of gravitational and magnetic fields in the Caucasus region in the vertical plane

CITED SOURCE: Sb. Geofiz. issledovaniya. No. 1. M., Mosk. un-t, 1964, 171-183

TOPIC TAGS: magnetic field, geomagnetism, gravitation field

TRANSLATION: Diagrams are given for the distribution of fields in the vertical plane plotted by recalculating the gravitational and magnetic anomalies at altitudes of 3, 6, 10, 20 and 30 km in the upper half-space and depths of 1.5 and 3 km in the lower half-space based on a numerical solution of the Poisson integral on a digital computer. The author assumes that if an anomaly in the force of gravity due to a given structural element fades out at a certain altitude above the surface of the earth, then this element degenerates as a structural subdivision at an equal depth below the surface of the earth. On this basis, the Azov shelf of the Ukrainian

UDC: 550.311:551.14

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L 12985-66

ACC NR: AR6000306

shield "fades out" as a structural upheaval at depths of 10 km, the ridge of the Karpinsk shield disappears at depths of 20-30 km, while the Caspian Basin and the depressions of the western Kuban and Tersko-Caspian downwarps are clearly traced on all converted maps. These latter formations appear in the form of downwarps along the Conrad and Mohorovicic discontinuities, and consequently are the oldest structures in this territory. Juncture of different structural elements takes place in areas of increased horizontal gradients in the force of gravity due to deep fractures in the earth's crust. No relationship was found between the distribution of the magnetic field with respect to altitude and the location of structural elements in the Caucasus region.

SUB CODE: 08

Card 2/2

ACC NR: AT7000190

SOURCE CODE: UR/0000/64/000/000/0184/0195

AUTHOR: Volodarskiy, R. F.

ORG: none

TITLE: Tectonic diagram of the Paleozoic basement of the southern part of the West Ciscaucasus based on geophysical data

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow, Izd-vo Mosk. univ., 1964, 184-195

TOPIC TAGS: seismic prospecting, earth crust, gravity survey, <sup>stratigraphy,</sup> tectonic ~~s~~/ Ciscaucasus

ABSTRACT: A structural map of the Paleozoic basement of the southwestern part of the Ciscaucasus has been compiled on the basis of gravity anomalies recomputed for a height of 10 km. For agreement in numbering between isohypsal lines and the depths indicated by the seismic prospecting correlation method of refracted waves, the boundaries of the structural blocks are identical to the fault zones. In each block the numbering of the isohypses is dependent on the corresponding seismic data. The West Kuban' trough is a deep (10—11 km) depression on the surface of the basement inclined along the strike in the direction of the Sea of Azov. Less clearly defined is the East Kuban' trough separated from the former by a submeridional zone of

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ACC NR: AT7000190

higher basement consisting of several blocks. The regions of development of the local uplifts in the sedimentary layers are connected with relative displacements of the blocks and are localized in the demarcation zones. Orig. art. has: 2 figures.

SUB CODE: 08/ SUBM DATE: 05Nov64/ ORIG REF: 007/

Card 2/2

VOLODARSKIY, R.F.

Measurement of gravity depending on the altitude of scaling.  
Razved. geofiz. no. 4:66-70 '65. (MIRA 18:9)

VOLCDARSKIY, R.F.

Nature of the gravity field in western Ciscaucasia. Razved.  
geofiz. no.5:70-76 '65. (MIRA 18:9)

ACC NR: AT7000188

SOURCE CODE: UR/0000/64/000/000/0162/0170

AUTHOR: Volodarskiy, R. F.; Gilod, D. A.; Demidova, M. A.

ORG: none

TITLE: Sketch map of the present-day surface of the folded basement of the Ciscaucasus from geophysical data

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow, Izd-vo Mosk. univ., 1964, 162-170

TOPIC TAGS: <sup>geologic survey, techniques</sup> earth crust, gravity survey, magnetic survey/Russian platform, Ciscaucasus

ABSTRACT: Comprehensive analysis of geologic, geophysical, and borehole materials, as well as analysis of gravity and magnetic maps recomputed for different levels of the upper half space, have resulted in a tectonic regionalization of the Ciscaucasus and the solution of problems dealing with the geologic structure of the area. The article contains maps of the tectonic zoning of the folded basement of the Ciscaucasus and the southern regions of the Russian platform and surface of the Paleozoic basement of the Ciscaucasus are given. Orig. art. has: 2 figures.

SUB CODE: 08/ SUBM DATE: 05Nov64/ ORIG REF: 013/

Cord 1/1

ACC NR: AT7000189

SOURCE CODE: UR/0000/64/000/000/0171/0183

AUTHOR: Volodarskiy, R. F.

ORG: none

TITLE: Investigation of the distribution in the vertical plane of the gravity and magnetic fields of Ciscaucasia

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow, Izd-vo Mosk. univ., 1964, 171-183

TOPIC TAGS: *earth magnetic field, stratigraphy,* Yearth crust, gravity anomaly, Mohorovicic discontinuity, Conrad discontinuity, magnetic survey/Ciscaucasia

ABSTRACT: Diagrams of the field-distribution in the vertical plane are presented; they have been constructed by computing the gravity and magnetic anomalies for heights of 3, 6, 10, 20, and 30 km of the upper half-space and for depths of 1.5 and 3 km of the lower half-space on the basis of a numerical computer solution of the Poisson's integral. The author maintains that if the gravity anomaly associated with a given structural element attenuates at a certain height above the surface of the earth, then this element reappears as a structural subdivision at the same depth beneath the earth's surface. Thus, the Azov projection of the Ukrainian crystalline shield "attenuates" as a structural uplift at depths of 10 km, the Carpathian ridge at depths of 20 to 30 km, and the Caspian basin and the west Kuban and Tersk-Caspian

Cord 1/2

ACC NR: AT7000189

troughs are clearly traced on all transformed maps. The latter appear in the form of troughs on the Conrad and Mohorovicic discontinuity and, consequently, are the most ancient structures in the region under study. Articulation of the various structural elements occurs along zones of increased horizontal gravity gradients associated with subcrustal faults. It was not possible to establish any relationship between the height distribution of the magnetic field and the distribution of the structural elements of Ciscaucius. Orig. art. has: 2 figures.

SUB CODE: 08/ SUBM DATE: 05Nov64/ ORIG REF: 010/

Card 2/2

ACC NR: AT700019:

SOURCE CODE: UR/0000/64/000/000/0196/0204

AUTHOR: Volodarskiy, R. F.; Pivovarov, B. L.

ORG: none

TITLE: Some questions of the deep structure of the earth's crust in Ciscaucasia

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow. Izd-vo Mosk. univ., 1964, 196-204

TOPIC TAGS: <sup>tectonic</sup> earth crust, Mohorovicic discontinuity, earth structure, Conrad discontinuity/Ciscaucasus

ABSTRACT: An attempt is made on the basis of analysis of geophysical, chiefly gravity, data to map the deep tectonic structure of the central and eastern Ciscaucasus. The presence of two deep density interfaces, the Mohorovicic and the Conrad discontinuities is assumed. To compute the depth of the Moho discontinuity, the author use the formula  $H_m = 15.449 + 1.131 H_c - 0.056 \Delta g_r$ , where  $H_c$  is the mean depth of the Conrad discontinuity, and  $\Delta g_r$  are values of the regional gravity field. Construction of the Moho interface was made in two ways: on the basis of the  $\Delta g''$  field chart at a height of 30 km from a network of regional profiles and by using Tsuboi's method. The results obtained are almost identical. The following conclusions are made:  
1) regions of increased crustal thickness are characterized by negative gravity

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ACC NR: AT7000191

anomalies; 2) the basic structural elements of Ciscaucasus have a "Caucasus" strike;  
and 3) all basic structural elements of Ciscaucasus are reflected in the deep  
structure of the earth's crust. Orig. art. has: 2 formulas and 1 figure.

SUB CODE: 08/ SUBM DATE: 05Nov64/ ORIG REF: 008/ OTH REF: 001/

Card 2/2

VOLODARSKIY, S.

Application of consolidated norms. Sets. trud 8 no.10:83-88 0 '63.  
(MIRA 16:12)

VOLODARSKIY, V.: SINYAKIN, F.P., red.; CHOTIYEV, S., tekhn.red.

[Economic effectiveness of the mechanization and automation of  
production] Ekonomicheskaya effektivnost' mekhanizatsii i avto-  
matizatsii proizvodstva. Frunze, Kirgizskoe gos.izd-vo, 1958.  
61 p. (MIRA 13:4)

(Automation)

(Machinery in industry)

PHASE I BOOK EXPLOITATION

SOV/4111

Volodarskiy, V.

**Ekonomicheskaya effektivnost' mekhanizatsii i avtomatizatsii proizvodstva**  
(Economic Efficiency of Mechanization and Automation in Industry)  
Frunze, Kirgizskoye gos. izd-vo, 1958. 63 p. 2,100 copies printed.

Ed.: F. P. Sinyakin; Tech. Ed.: S. Chotiyev.

**PURPOSE:** This booklet is intended for general readers interested in the mechanization and automation of industry.

**COVERAGE:** The booklet describes experience gained in determining the effectiveness of the mechanization and automation of production processes in the Kirgizskaya SSR, especially at the imeni Frunze Agricultural Machine-Building Plant. No personalities are mentioned. No references are given.

**TABLE OF CONTENTS:**

Introduction

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Economic Efficiency (Cont.)

SOV/4111

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AVAILABLE: Library of Congress (FD6331.V6)

Card 2/2

AC/rn/ec  
8-25-60

VOLODARSK.IY, V.

Preparation guaranteed success. Mashinostroitel'  
no.6:41-42 Je '60. (MIRA 13:8)  
(Hours of labor) (Wages)

GORODISHCHER, B.; VOLODARSKIY, V.

Centralized wallpaper manufacture. Stroitel' no.5:15 My  
!61. (MIRA 14:6)  
(Wallpaper)

VARLAMOV, Ye.G.; VOLODARSKIY, V.I., ekonomist

Eliminate expenses due to inefficiency. Transp. stroi. 15 no.7:34-35  
J1 '55. (MIRA 18:7)

1. Glavnyy bukhgalter Glavdorstroya (for Varlamov).

VOLODARSKIY, V.P.; PARAMONOV, A.G. (Zhdanov, Stalinskoy oblasti)

Case of porphyria disease. Vrach.delo no.4:409 Ap '57. (MIRA 10:7)

1. Gorodskoy kozhno-venerologicheskiy dispanser  
(SKIN--DISEASES)

VOLODARSKIY, V.P.

Skind disease in Zhdanov. Vest.derm.i ven. 34 no.6:24-27  
'60. (MIRA 13:12)

1. Iz Zhdanovskogo gorodskogo kozhno-venerologicheskogo dis-  
pensera.

(ZHDANOV—SKIN—DISEASES)

AUTHOR: Volodarskiy, V.Ya. SOV-115-58-3-32/41

TITLE: On Utilizing the "VVT-D(3003)" Wave Meter (Ob ispol'zovanii volnomera VVT-D (3003))

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 3, p 91 (USSR)

ABSTRACT: The author tells how the decimeter-range precision wave-meter "VVT-D(3003)" can be readjusted for output frequencies of 1 megacycle, 100 kilocycles and 10 kilocycles with  $\pm 5 \cdot 10^{-6}$  error, by the way of a simple readjustment of its quartz generator. By using the frequency divider, frequencies below 10 kilocycles and a set of standard frequencies from 100 cycles to 1 megacycle with  $\pm 5 \cdot 10^{-6}$  accuracy can be obtained.

1. Wavemeters--Performance

Card 1/1

SOV/115-59-2-28/38

9(8)  
AUTHOR:

Volodarskiy, V.Ya., Kokhanovskiy, N.U.

TITLE:

On a Method for Checking the Modulometer of a Generator for Standard Signals of the Type GSS-6 (Ob odnom metode poverki modulometra generatora standartnykh signalov tipa GSS-6)

PERIODICAL:

Izmeritel'naya tekhnika, 1959,  
(USSR)

Nr 2, pp 50-51

ABSTRACT:

As there are no industrial models of modulometers for measuring modulation coefficients of low output signals, the checking of modulometers of a type GSS-6 standard signal generator is complicated. With the help of a simplified diagram, the author explains the working process of the GSS-6 generator and the method for checking the GSS-6 modulometer - using the pulsating voltage, that varies according to the high frequency signal law. There is 1 circuit diagram.

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9(9)

SOV/115-59-3-23/29

AUTHOR: Volodarskiy, V.Ya.

TITLE: The Use of the High-Precision Wavemeters 44-I (Ob  
ispol'zovanii volnomerov vysokoy tochnosti 44-I)

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 3, p 51 (USSR)

ABSTRACT: The instrument 44-I is a high-precision wavemeter for the three centimeter range (the frequency range of 8,900 to 10,000 mc), whereby the frequency measurements are performed on the tenth harmonic of a decimeter oscillator. The circuit arrangement and the design of the instrument easily permit its application on a wider frequency range - from 100 to 10,000 mc - when working on the harmonics of the signal and the decimeter oscillator. Since the wave guide of the 44-I instrument acts as a limiter for frequencies below 8,900 mc and causes a considerable attenuation, it is necessary to feed the signal directly to the mixer. For this purpose, a section of insulated wire is introduced into the wave guide until it touches the crystal detector. Experience

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SOV/115-59-3-23/29

The Use of the High-Precision Wavemeters 44-I

shows that the sensitivity of the wavemeter is 100 microwatts within the entire range. The frequency measurements in the range of 100 to 10,000 mc are performed in the usual manner. For determining which number of the harmonics of the frequency to be measured, and the decimeter oscillator, result in zero beat, it is necessary to know in advance the approximate value of the frequency to be measured. This value may be determined by a resonance wavemeter for the respective range.

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06200

SOV/115-59-11-28/36

9 (2)

AUTHOR: Volodarskiy, V.Ya.

TITLE: Remarks on Change Nr 1 of Instructions 220-55 on Checking GCh-1M Heterodyne Frequency Meters

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 11, p 63

ABSTRACT: The method of checking GCh-1M frequency meters without a VECh ("Avangard") device, suggested by VNIIFTRI, contains a number of erroneous assumptions. The author elaborates these deficiencies in detail saying that they should be considered when revising the Change Nr 1 of Instructions 220-55. In a new issue of the attachment to Instructions 220-55, or in a revision of the Instructions, other simple and accurate methods of checking GCh-1M heterodyne frequency meters should be used, which do not require complicated and expensive equipment (for example, by the calibrating oscillator KG-V). The author states that the checking of the frequency instability of the measuring generator is incomplete in Section I of the Changes Nr 1. The check-

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06200

SOV/115-59-11-28/36

Remarks on Change Nr 1 of Instructions 220-55 on Checking GCh-1M  
Heterodyne Frequency Meters

ing of the measuring generator in Section III is explained in such a manner that it contradicts the "Description and Operating Instructions of the GCh-1M". The author explains the correct version briefly.

Card 2/2

VOLODARSKIY, V.Ya.

Using the 44-I high-precision wavemeters. Izv.tekh. no.3:51  
Mr '59. (MIRA 12:4)

(Radio frequency--Measurement)

9(9)

SOV/115-59-4-19/27

AUTHOR:

Volodarskiy, V.Ya.

TITLE:

Checking High-Precision Wavemeters Without a Secondary Frequency Standard (O poverke volnomerov vysokoy tochnosti bez vtorichnogo etalona chastoty)

PERIODICAL:

Izmeritel'naya tekhnika, 1959, Nr 4, pp 35-36 (USSR)

ABSTRACT:

The author describes the procedures for checking the heterodyne frequency meter VVT-D without using a secondary frequency standard as prescribed in Instruction 219-55 of the Komitet standartov, mer i izmeritel'nykh priborov (Committee of Standards, Measures and Measuring Instruments). A footnote says that new instructions for checking the technical condition of the high-precision frequency meters VVT-D will be published. Further, the author describes the checking procedure of high-precision wavemeter 44-1.

Card 1/1

VOLODARSKIY, V.Ya.; NIKITIN, A.G.

Using standard 100 kc radio frequency. Izv.tekh. no.9:53-54  
S '60. (MIRA 13:9)  
(Radio frequency)

VOLODARSKIY, V.Ya.

Testing heterodyne frequency meters and GSS-6 standard-signal  
generators. Izv.tekh. no.1:47-48 Ja '63. (MIRA 16:2)  
(Frequency measurements) (Oscillators, Electric)

VOLODARSKIY, V.Ya.

Use of an electron-counting frequency meter in checking  
pointer-type frequency meters. Izv. tekhn. no.12:33-34 D '63.  
(MIRA 16:12)

VOLODAREIKIY, V.Ya.

Checking the mistuning scales of audio-frequency RC oscillators.  
Izm. tekhn. no.5:60-61 My '65. (MIRA 18:8)

BUTESKUL, V.I., inzh.; VOLODARSKIY, Yu.S.

Underground traffic intersections in Moscow. Transp.stroi. 10  
no.6:19-23 Je '60. (MIRA 13:7)  
(Moscow--Underpasses)

VOLODARSKIY, Z.B.; IKOL, A.D., inzh.

Hdraulic SDG-1 bit-dressing machine. Gor.Zhur. no.5:50-51 My '60.  
(MIRA 14:3)

1. Nachal'nik otdela gornorudnogo obordnovaniya Proyektno-konstruktorskogo i tekhnologicheskogo instituta (for Volodarskiy).  
(Boring machinery—Maintenance and repair)

VOLODARSKIY, Z.F.

"Margarits" powered shield unit. Gor.zhur. no.6:57-58 Je '60.  
(WIA 14:2)

(Mining engineering)

VOLODARSKIY, Z.B.; KUZNETSOV, V.A.; TITOV, D.I.; SALOV, A.Ye.; DRO, S.M.;  
DEMCHENKO, K.I.

Console and belt-type waste stacker. Biul.TSIICHM no.9:51  
'60. (MIRA 15:4)  
(Materials handling—Patent)

KUZNETSOV, V.A., inzh.; VOLODARSKIY, Z.B.; BRO, S.M.

Industrial testing of a rotary excavator for the recovery of  
fire clay. Gor. zhur. no.4:47-49 Ap '61. (MIRA 14:4)

1. Dnepropetrovskiy proyektno-konstruktorskiy tekhnologicheskii  
institut.

(Excavating machinery)

(Fire clay)